

ABSTRACT OF THE DISCLOSURE

An apparatus for delaying an audio signal in conformance with the format of the audio signal. An input device is receptive to an audio signal having one of a plurality of formats. A processing device coupled to the input device is operable to provide a delay in the audio signal corresponding to the format of the audio signal. The delayed audio signal is output through an output device. An audio format detection circuit is operable to detect the number of edge transitions within a known period in a processed audio signal and thereby determine the format of the audio signal by comparing a detected edge transition count to model data representative of the plurality of formats.